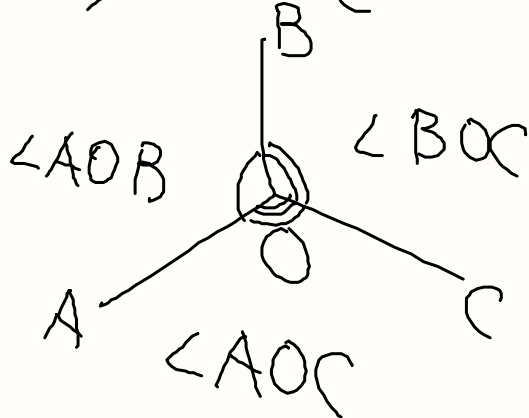
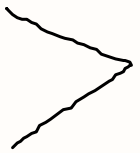
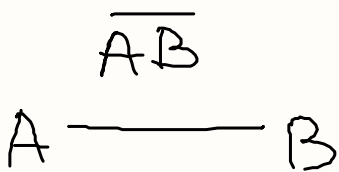
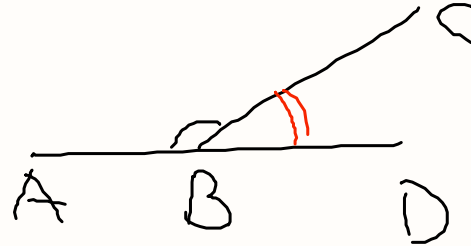


WHAT ARE THE ANGLES AND WHAT ARE THE SEGMENTS



$\angle ABC$   $\angle B$   $\angle B$   $\angle ABC$



$\angle ABC$   
 $\angle CBD$

NAME OF POLYGON	NUMBER OF SIDES	SUM OF INTERNAL ANGLES
TRIANGLE	3	180
QUADRILATERAL	4	360
PENTAGON	5	540
HEXAGON	6	<u>720</u>
HEPTAGON	7	900
OCTAGON	8	1080

$$S = 180^\circ(n-2)$$

$$180 \cdot 6$$

p. 54

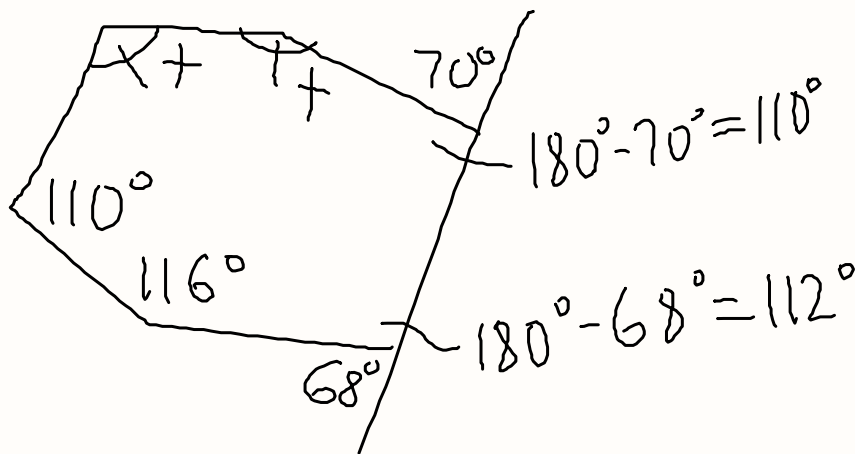
#1

$$S = 180^\circ (n - 2)$$

$n$  - number of sides of polygon

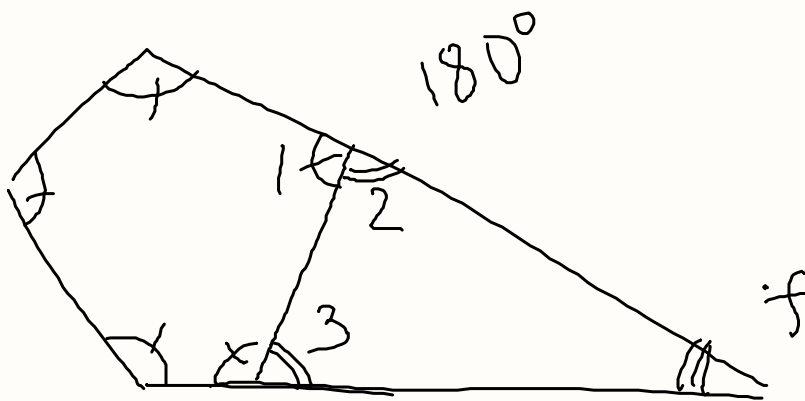
$$n = 9, 10, 11, 20, 55, 106$$

#4



$$S = 180^\circ (n - 2)$$
$$n = 6$$

(5)



$$1) S = 180^\circ(n-2)$$

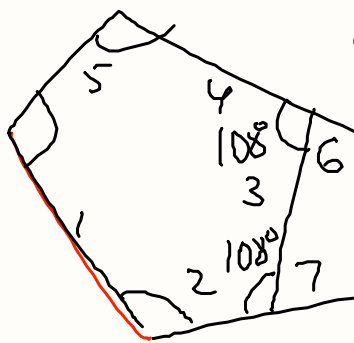
$$n=5$$

2) DIVIDE BY 5 - < 1

$$3) 180^\circ - m\angle 1$$

$$m\angle 2 \cong \angle 3$$

HOME p. 257 #2, 3  
p. 258 #6, 7



$$\angle 6 = 180^\circ - 108^\circ = 72^\circ$$

$$\angle 7 = 180^\circ - 108^\circ = 72^\circ$$

$$72^\circ + 72^\circ = 144^\circ$$

$$180^\circ - 144^\circ = 36^\circ$$

$$n = 5$$

$$S = 180^\circ (n - 2) = 180^\circ (5 - 2) = 180^\circ \cdot 3 = 540^\circ$$

$$n = 5$$

$$\frac{540^\circ}{5} = 108^\circ$$